

Figure 1

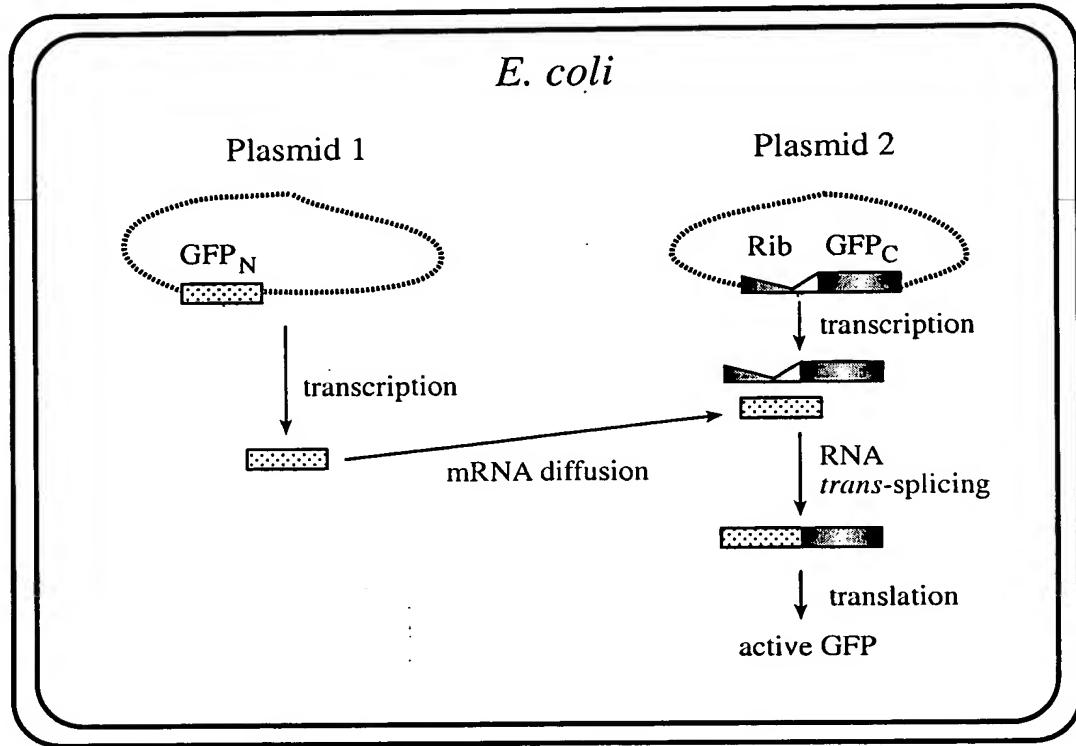


Figure 2

smGFP gene fragment 1 mRNA
(SEQ ID NO:2)

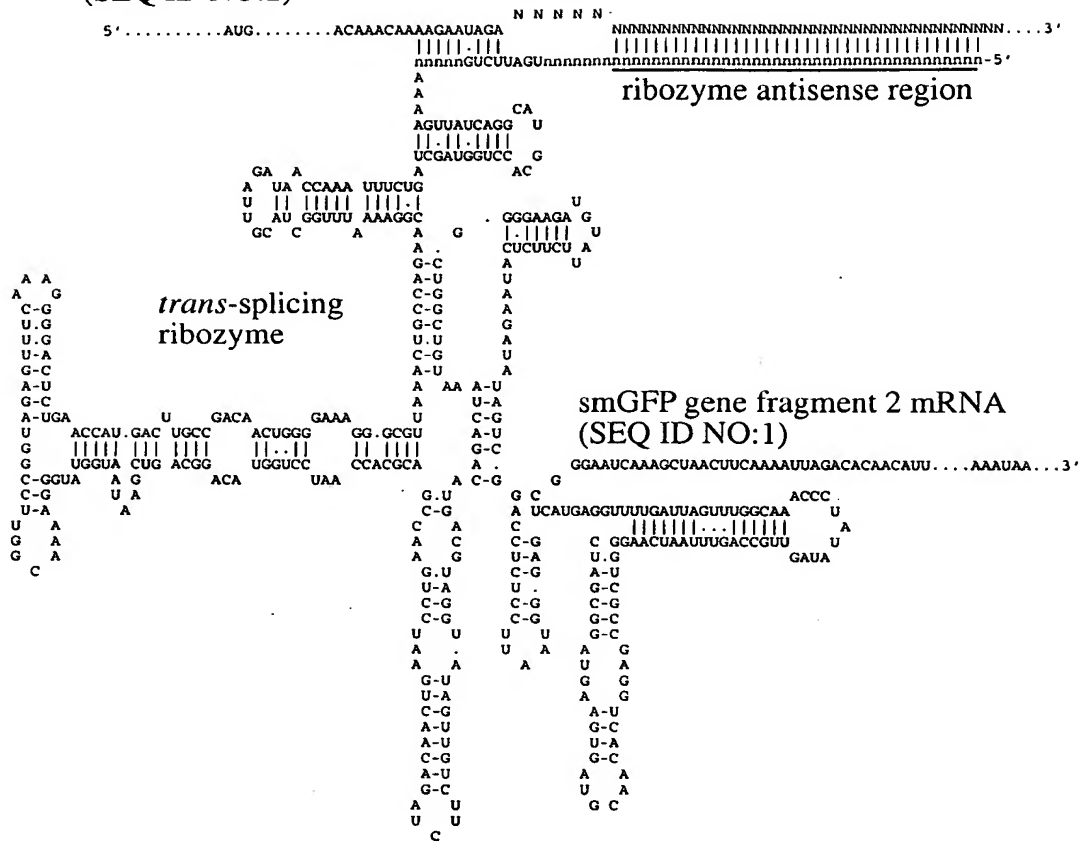
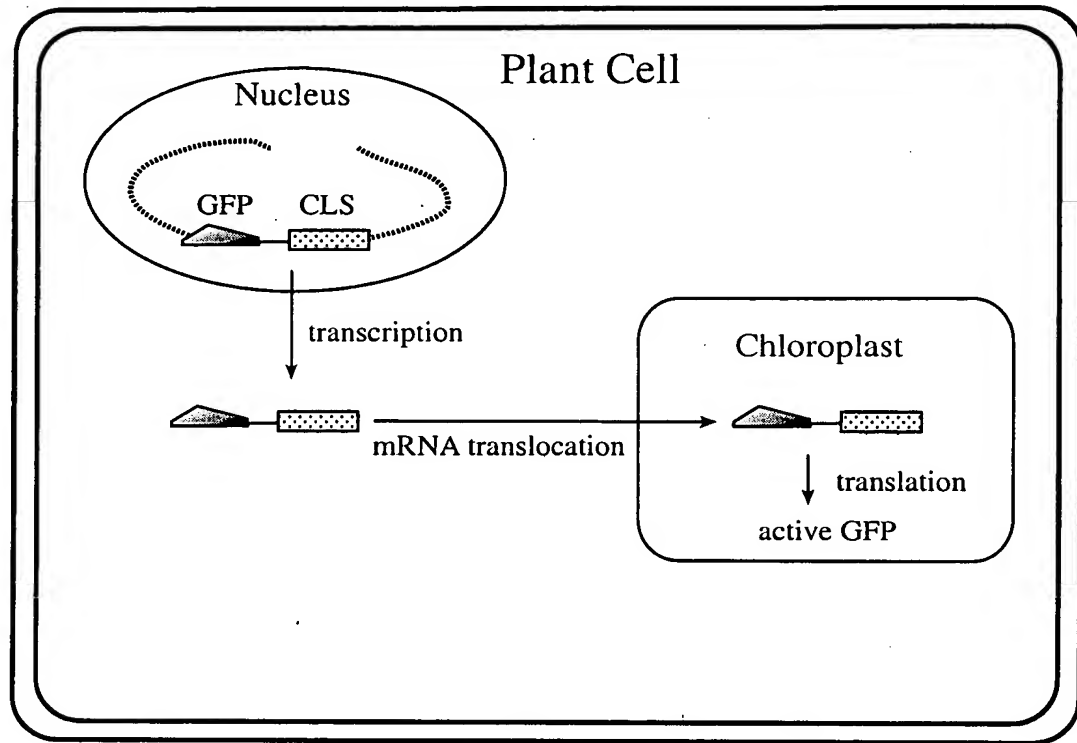


Figure 3

Figure 4



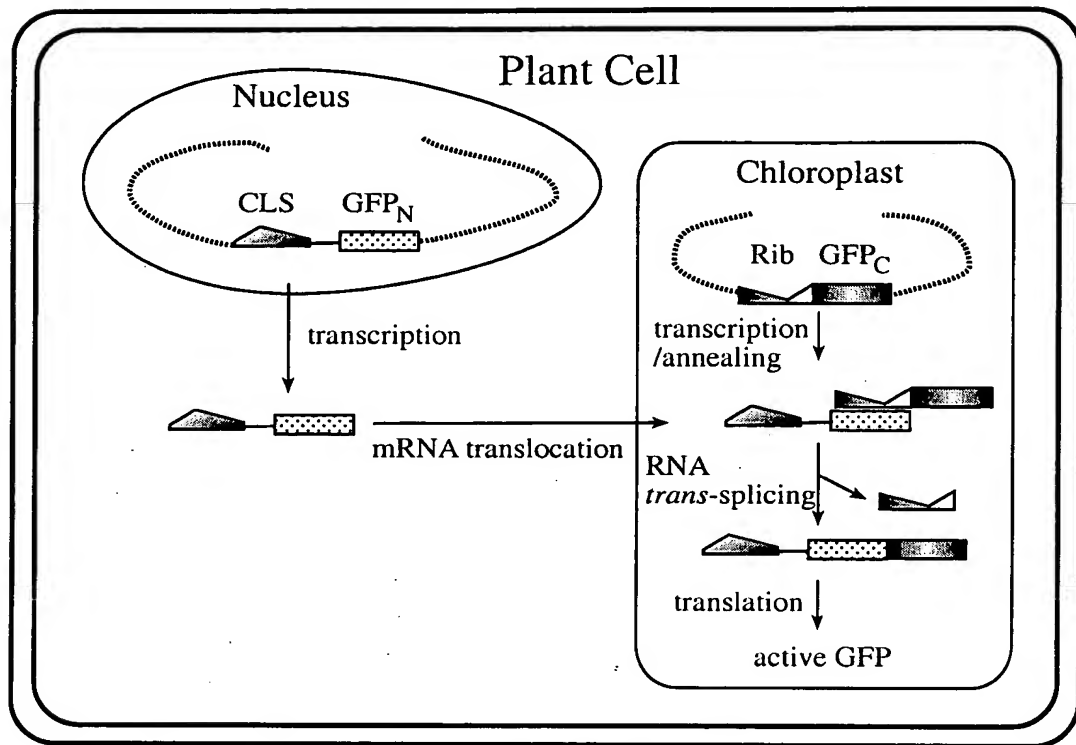


Figure 5

Figure 6

SEQ ID NO:3

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1  tttattagaa caagaagtga ggatatgatt aaactttggt tgacgaaacc
51 aggtctgttc cgactttccg actctgagtt tcgacttggt agagaaggag
101 gagtcgtggt gaacttttat taaaaaaatt agttcactcg tcttcaatct
151 cttgatcact tcgtctcttc agggaaagat gggaagaaca ctgatgagtc
201 tcgcaagggt tactcctcta tcttcattgt ttttttacia aatcttg
```

Figure 7



Figure 8A

pVUG1 segment 5689-6757

(SEQ ID NO:4)

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5689   tttattagaa caagaagtga ggatatgatt aaactttgtt tgacgaaacc
5739   aggtctgttc cgactttccg actctgagtt tcgacttgtg agagaaggag
5789   gagtcgtggt gaacttttat taaaaaaaaatt agttcactcg tcttcaatct
5839   cttgatcact tcgtgctagc atgtatttgg caaatcaaat accatggtct
5889   aataatcaaa cattctgatt agttgataat attagtatta gttggaaatt
5939   ttgtgaaaga ttcctatgaa aagtttcatt aacacggaat tcgtgtcgag
5989   tagaccttgt tgttgtgaga attcttaatt catgagttgt agggagggat
6039   ttATGAGTAA AGGAGAAGAA CTTTTCAC TGAGTTGTCCC AATTCTTGTT
6089   GAATTAGATG GTGATGTTAA TGGGCACAAA TTTTCTGTCA GTGGAGAGGG
6139   TGAAGGTGAT GCAACATACG GAAAACTTAC CCTTAAATTT ATTTGCACTA
6189   CTGGAAACT ACCTGTTCCA TGGCCAACAC TTGTCAC TTTCTCTTAT
6239   GGTGTTCAAT GCTTTTCAAG ATACCCAGAT CATATGAAGC GGCACGACTT
6289   CTTCAAGAGC GCCATGCCTG AGGGATACGT GCAGGAGAGG ACCATCTCTT
6339   TCAAGGACGA CGGGAAC TAC AAGACACGTG CTGAAGTCAA GTTTGAGGGA
6389   GACACCCTCG TCAACAGGAT CGAGCTTAAG GGAATCGATT TCAAGGAGGA
6439   CGGAAACATC CTCGGCCACA AGTTGGAATA CAACTACAAC TCCCACAACG
6489   TATACATCAC GGCAGACAAA CAAAAGAATG GAATCAAAGC TAACTTCAAA
6539   ATTAGACACA ACATTGAAGA TGGAAGCGTT CAACTAGCAG ACCATTATCA
6589   ACAAATACT CCAATTGGCG ATGGCCCTGT CCTTTTACCA GACAACCATT
6639   ACCTGTCCAC ACAATCTGCC CTTTCGAAAG ATCCCAACGA AAAGAGAGAC
6689   CACATGGTCC TTCTTGAGTT TGTAACAGCT GCTGGGATTA CACATGGCAT
6739   GGATGAACTA TACAAATAA
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Figure 8B

pVUG2 segment 5689-6757
(SEQ ID NO:5)

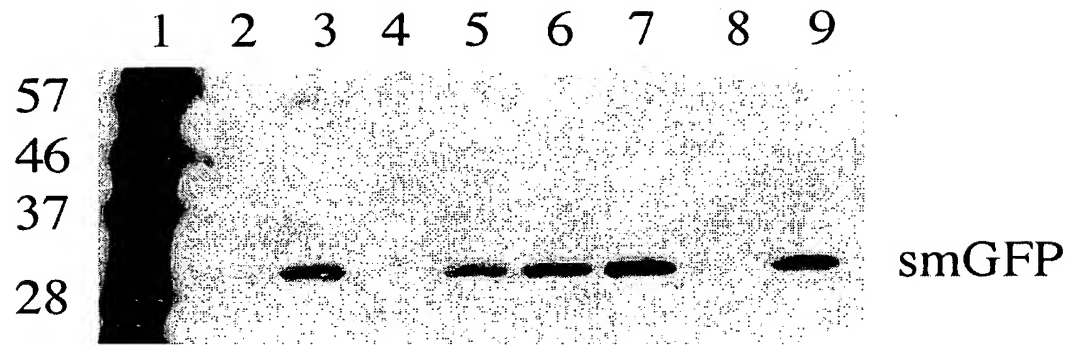
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5789  aagaacactg atgagtctcg caaggtttac tcctctatct tcattgtttt
5839  ttacaaaaat cttggctagc atgtatttgg caaatcaaat accatggtct
5889  aataatcaaa cattctgatt agttgataat attagtatta gttggaaatt
5939  ttgtgaaaga ttcctatgaa aagtttcatt aacacggaat tcgtgtcgag
5989  tagaccttgt tgttgtgaga attcttaatt catgagttgt agggagggat
6039  ttATGAGTAA AGGAGAAGAA CTTTTCAC TGAGTTGTCCC AATTCTTGTT
6089  GAATTAGATG GTGATGTTAA TGGGCACAAA TTTTCTGTCA GTGGAGAGGG
6139  TGAAGGTGAT GCAACATACG GAAAAC TTAC CCTTAAATTT ATTTGCACTA
6189  CTGGAAAAC ACCTGTTCCA TGGCCAACAC TTGTCAC TAC TTTCTCTTAT
6239  GGTGTTCAAT GCTTTTCAAG ATACCCAGAT CATATGAAGC GGCACGACTT
6289  CTTCAAGAGC GCCATGCCTG AGGGATACGT GCAGGAGAGG ACCATCTCTT
6339  TCAAGGACGA CGGGAAC TAC AAGACACGTG CTGAAGTCAA GTTTGAGGGA
6389  GACACCCTCG TCAACAGGAT CGAGCTTAAG GGAATCGATT TCAAGGAGGA
6439  CGGAAACATC CTCGGCCACA AGTTGGAATA CAACTACAAC TCCCACAACG
6489  TATACATCAC GGCAGACAAA CAAAAGAATG GAATCAAAGC TAAC TTCAA
6539  ATTAGACACA ACATTGAAGA TGGAAGCGTT CAACTAGCAG ACCATTATCA
6589  ACAAATACT CCAATTGGCG ATGGCCCTGT CCTTTTACCA GACAACCATT
6639  ACCTGTCCAC ACAATCTGCC CTTTCGAAAAG ATCCCAACGA AAAGAGAGAC
6689  CACATGGTCC TTCTTGAGTT TGTAACAGCT GCTGGGATTA CACATGGCAT
6739  GGATGAAC TAACAAATAA
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Figure 8C

pVUG3 segment 6833-7901
(SEQ ID NO:6)

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6833  tcttcagggg  aagatgggaa  gaacactgat  gagtctcgca  aggtttactc
6883  ctctatcttc  attgtttttt  tacaaaatct  tgtttattag  aacaagaagt
6933  gaggatatga  ttaaaacttg  tttgacgaaa  ccaggctctgt  tccgactttc
6983  cgactctgag  tttcgctagc  atgtatttgg  caaatcaaat  accatggtct
7033  aataatcaaa  cattctgatt  agttgataat  attagtatta  gttggaaatt
7083  ttgtgaaaga  ttcctatgaa  aagtttcatt  aacacggaat  tcgtgtcgag
7133  tagaccttgt  tgttgtgaga  attcttaatt  catgagttgt  agggagggat
7183  ttATGAGTAA  AGGAGAAGAA  CTTTTCAC TG  GAGTTGTCCC  AATTCTTGTT
7233  GAATTAGATG  GTGATGTTAA  TGGGCACAAA  TTTTCTGTCA  GTGGAGAGGG
7283  TGAAGGTGAT  GCAACATACG  GAAAACCTAC  CCTTAAATTT  ATTTGCACTA
7333  CTGGAAAAC T  ACCTGTTCCA  TGGCCAACAC  TTGTCAC TAC  TTTCTCTTAT
7383  GGTGTTCAAT  GCTTTTCAAG  ATACCCAGAT  CATATGAAGC  GGCACGACTT
7433  CTTCAAGAGC  GCCATGCCTG  AGGGATACGT  GCAGGAGAGG  ACCATCTCTT
7483  TCAAGGACGA  CGGGAAC TAC  AAGACACGTG  CTGAAGTCAA  GTTTGAGGGA
7533  GACACCCTCG  TCAACAGGAT  CGAGCTTAAG  GGAATCGATT  TCAAGGAGGA
7583  CGGAAACATC  CTCGGCCACA  AGTTGGAATA  CAACTACAAC  TCCCACAACG
7633  TATACATCAC  GGCAGACAAA  CAAAAGAATG  GAATCAAAGC  TAACTTCAAA
7683  ATTAGACACA  ACATTGAAGA  TGGAAGCGTT  CAACTAGCAG  ACCATTATCA
7733  ACAAATACT  CCAATTGGCG  ATGGCCCTGT  CCTTTTACCA  GACAACCATT
7783  ACCTGTCCAC  ACAATCTGCC  CTTTCGAAAG  ATCCCAACGA  AAAGAGAGAC
7833  CACATGGTCC  TTCTTGAGTT  TGTAACAGCT  GCTGGGATTA  CACATGGCAT
7883  GGATGAACTA  TACAAATAA
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Figure 9



Western blot analysis using anti-GFP antibody

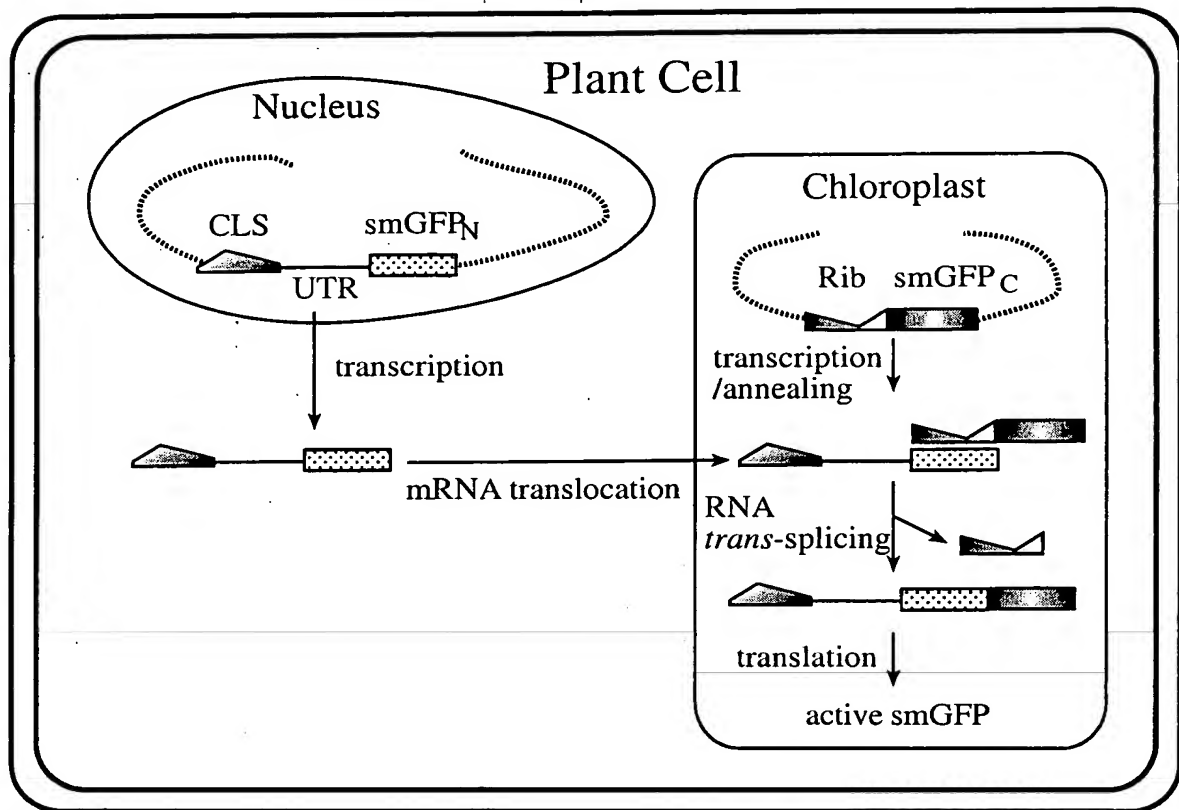


Figure 10

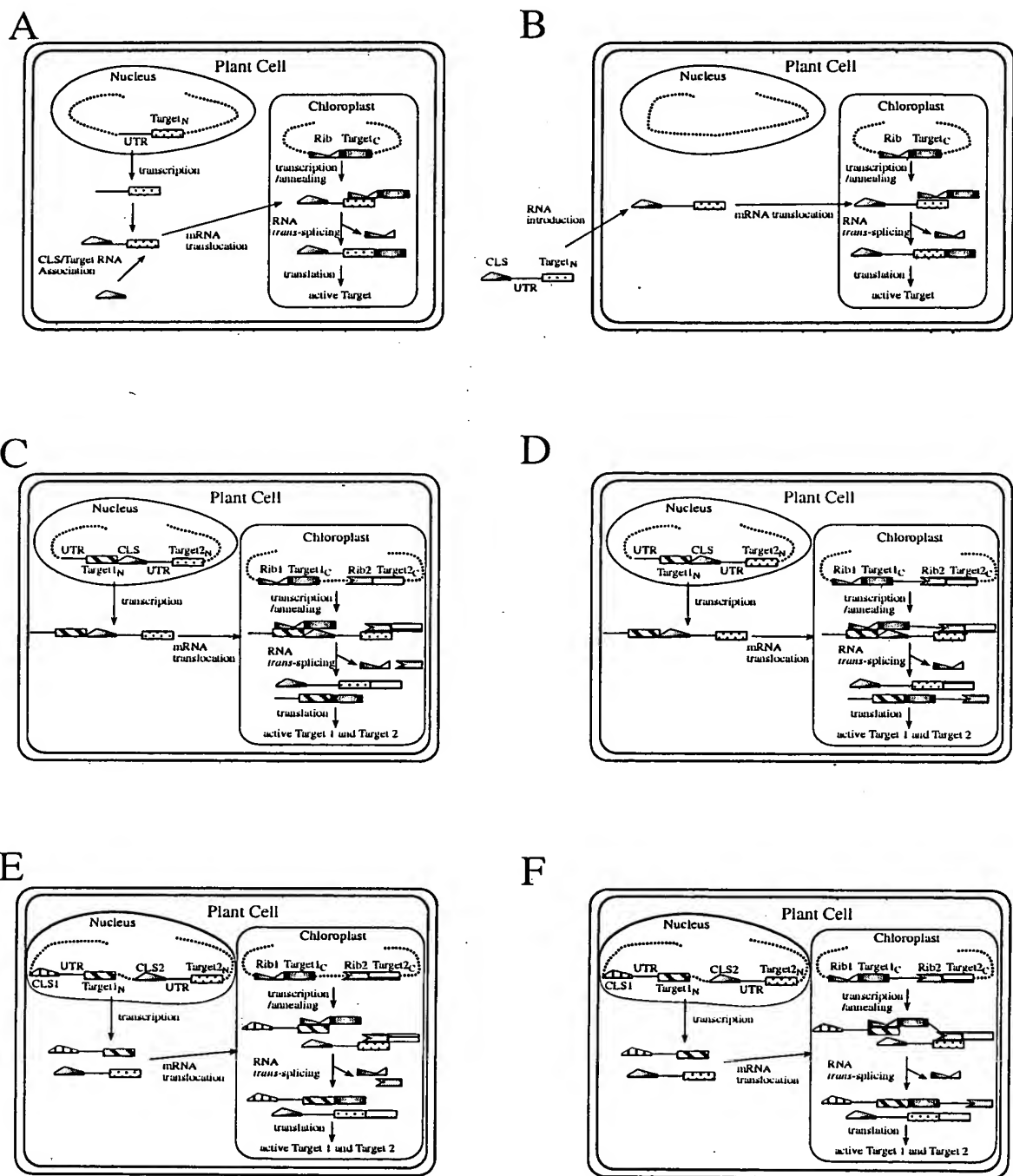


Figure 11